Firmware Engineer

Founded in 1987, Metrol are global leaders in the innovation, development and operation of wireless down-hole systems, using acoustic, electromagnetic and inductive telemetry.

Metrol's understanding of this technology and its application plays a major part in our success. Our products are already used by energy companies throughout the world during exploration and production, where the data and control provided allows significant advances in efficiency and safety. Metrol's commitment to research and development has ensured that the company stays at the forefront of downhole communications and the successful introduction of a range of new products has resulted in company growth which provides an opportunity for skilled and innovative engineers.

We are located in the Kirkhill Industrial Estate in Dyce, but operations are global, and we have offices in Dubai, the United States and other worldwide locations.

With a family business culture, we aim to create and provide a working environment that promotes from within, encourages training and development and allows and trusts individuals to maintain a work-life balance.

Benefits:

The role comes with a competitive salary and benefits package including:
- Culture that promotes teamwork and empowering individuals to make a difference
- Challenging role with on-the job training. Working as part of an expert team
- 33 days holiday with additional holidays for long service and long service awards
- Hybrid/Flexible working opportunities
- Company Pension contributions
- Private Healthcare and Life Insurance
- Cycle to work and EV Lease schemes

The Role:

To support our expanding R&D team, we are looking to recruit a Firmware Engineer. Depending on experience and aptitude, this role could evolve to carry significant responsibility. The successful candidate will be responsible for designing, developing and testing firmware for downhole and surface tools. They will be responsible for the full development cycle.

Metrol develops all its firmware in-house. Key factors in this design and development are:
- Low Power
- Safe failure modes
- Building on existing tool suite
- Innovative design

Required Skills & Experience:

Our Firmware Engineer will require the following knowledge and/or experience:
- All levels of industry experience will be considered, from junior to senior level. At Metrol, we recruit the right person, rather than requiring a prescribed amount of experience. Qualified to degree level (in engineering, physics, computer science, mathematics or similar) is preferred.
- Experience with writing embedded C code on 8/16 but microcontrollers.
- Have completed complex coding projects in the past and can show examples of this.
- A good understanding of the unique requirements and pitfalls experienced when designing code for microcontrollers.

- Reasonable understanding of digital electronics and to a lesser degree, analogue electronics.
- Familiarity with software design concepts and practices.
- Lateral thinking, and the ability to find unusual solutions to design challenges.
- Custom algorithm design, good at mathematics.
- Teamwork and communication skills.
- Proactive, and ability to take ownership of projects from inception to completion.

Location:

This role will be based at our HQ in Dyce, Aberdeen.

Apply by email with your full CV to Vacancies-Technical@metrol.co.uk